

STATUS OF THE CLAIMS

1. (currently amended) An isolated antibody or antigen-binding fragment thereof that binds to an extracellular localized epitope of Hsp70 Heat Shock Protein 70 on tumor cells, wherein said epitope comprises an amino acid sequence selected from the group consisting of NLLGRFEL (SEQ ID NO: 1) or TKDNNLLGRFELSG (SEQ ID NO: 2) and wherein said antibody is produced by a hybridoma selected from the group consisting of the hybridomas identified by Accession Numbers DSM ACC2629 and DSM ACC2630.
2. (currently amended) The isolated antibody of claim 1, wherein said tumor cell is a human tumor selected from the group consisting of colon tumor cell, lung, stomach, pancreas, head and neck, ovary, and/or breast cancer, melanoma, glioblastoma, sarcoma and or leukemia such as AML, ALL, MDS or blastocytoma.
3. (cancelled).
4. (currently amended) The isolated antibody of claim 1, which is a monoclonal antibody.
5. (cancelled).
6. (currently amended) An isolated antibody or antigen-binding fragment thereof that competes with an antibody of claim 5 1 for binding to an extracellular localized epitope of Hsp70 Heat Shock Protein 70 on human tumor cells.
7. (currently amended) The isolated antibody or antigen-binding fragment of claim 1, which is capable of exhibiting an inhibitory effect on the cytolytic activity of NK cells against Hsp70 Heat Shock Protein 70 expressing tumor cells.

8. (currently amended) The isolated antibody of claim 1, which is a human, humanized, xenogeneic, or a chimeric human-murine antibody.
9. (currently amended) The isolated antigen-binding fragment of claim 1, which is selected from the group consisting of a single chain Fv fragment, an F(ab') fragment, an F(ab) fragment, and an F(ab')₂ fragment.
10. (currently amended) A hybridoma that produces a monoclonal antibody of claim 4.
11. (original) The hybridoma of claim 10, selected from the group consisting of hybridoma cmHsp70.1, deposited with the DSMZ-Deutsche Sammlung von Mikroorganismen und Zellkulturen GmbH, Mascheroder Weg 1b, D-38124 Braunschweig, Germany on November 13, 2003, and assigned Accession Number DSM ACC2629, and cmHsp70.2, deposited with the DSMZ-Deutsche Sammlung von Mikroorganismen und Zellkulturen GmbH on November 14, 2003, and assigned Accession Number DSM ACC2670.
- 12-17. (cancelled).
18. (currently amended) A bi- or multifunctional molecule that comprises the binding domain of an antibody of claim 1, an immunoglobulin chain thereof or a binding fragment thereof which binds an epitope of Heat Shock Protein 70 eell surface-membrane-bound heat shock protein (HSP)-, wherein said epitope comprises an amino acid sequence selected from the group consisting of NLLGRFEL (SEQ ID NO: 1) or TKDNNLLGRFELSG (SEQ ID NO: 2), and at least one further functional domain.
19. (original) The bi- or multifunctional molecule of claim 18, which is bispecific molecule.

20. (original) The bispecific molecule of claim 19, which is a bispecific antibody.

21. (previously presented) The bi- or multifunctional molecule of claim 18, wherein said further functional domain is a cytotoxic agent or a label.

22-39. (cancelled).